EXHIBIT 8 PUBLIC VERSION

Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 2 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

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1
                UNITED STATES DISTRICT COURT
 2
                 CENTRAL DISTRICT CALIFORNIA
 3
                       WESTERN DIVISION
 4
     THE CALIFORNIA INSTITUTE
 5
 6
     OF TECHNOLOGY,
 7
               Plaintiff,
 8
     vs.
                                ) No. 2:16-CV-3714-GW-AGRX
 9
     BROADCOM LIMITED, BROADCOM)
     CORPORATION, AVAGO
10
     TECHNOLOGIES LIMITED,
     APPLE INC., AND CYPRESS
11
     SEMICONDUCTOR CORPORATION,)
               Defendants.
12
13
14
         HIGHLY CONFIDENTIAL -- ATTORNEYS' EYES ONLY
15
16
          VIDEOTAPED DEPOSITION OF
17
                    Palo Alto, California
                     Friday, July 14, 2017
18
19
                            Volume I
20
21
     Reported by:
     CATHERINE A. RYAN, RMR, CRR
     CSR No. 8239
22
     Job No. 2649120
2.3
24
25
     PAGES 1 - 362
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Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 3 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1			09:05:50
2	having been administere	ed an oath, was examined and	
3	testified as follows:		
4	MR. DOWD: A	nd just so it's clear on the	
5	record before we begin	, has been	09:06:05
6	designated under the 30	O(b)(6) notice for topics 11,	
7	17, 19 as to marketing	; 23, 30, 32, and 35 as to the	
8	market or marketing top	pics; and then, finally, also	
9	36.		
10	MR. BIDDINGE	R: Great. Thank you,	09:06:25
11	Counsel. I appreciate	that. It makes it a lot	
12	easier.		
13	EXA	AMINATION	
14	BY MR. BIDDINGER:		
15	Q Good morning	. Could you tell us your full	09:06:30
16	name, please.		
17	A My full name	is	
18	Q And who do yo	ou work for,	
19	A For Broadcom	Limited.	
20	Q And what's yo	our current position at	09:06:44
21	Broadcom?		
22	A My current po	osition is vice president of	
23	marketing for our WCC l	business unit.	
24	Q What does WCG	C stand for?	
25	A Wireless con	nectivity combo.	09:07:00
			Page 10
Į.			

Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 4 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	Q In terms of who Broadcom's customers are	10:31:57
2	for WiFi chips, are those the OEMs or end users	
3	or who would you identify as the customers for	
4	Broadcom's WiFi chips?	
5	A So so we have OEMs and ODMs.	10:32:10
6	Q And what's an ODM?	
7	A For for example, we may work with a	
8	company in Japan or Sam or Samsung not	
9	Samsung in Korea that could build a small module	
10	that could be used for a smartphone.	10:32:31
11	Q Who are Broadcom's largest OEM customers	
12	for WiFi chips?	
13	MR. DOWD: Objection.	
14	THE WITNESS: In terms of can you be	
15	more specific?	10:32:47
16	BY MR. BIDDINGER:	
17	Q In terms of sales volume.	
18	A It would be Apple and Samsung.	
19	Q Do you know what roughly, what	
20	percentage of Broadcom's WiFi chip sales are made to	10:33:13
21	Apple?	
22	A Can you be more specific?	
23	Q I don't know how to be more specific.	
24	Do you understand what percentage of	
25	Broadcom's WiFi chips are made to Apple?	10:33:32
		Page 63

Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 5 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	802.11ac-compliant chips as "5G"?	11:00:12
2	A For yes.	
3	Q What does "5G" refer to?	
4	A So so we had an internal marketing	
5	campaign. We want to be able to promote the	11:00:25
6	fifth-generation WiFi technology, and that's	
7	that's where the 5G comes from.	
8	Q So when Broadcom refers to "5G," is it	
9	referring solely to 802.11ac-compliant chips?	
10	A That's correct.	11:00:45
11	MR. DOWD: Objection.	
12	BY MR. BIDDINGER:	
13	Q And when did Broadcom first sell an	
14	802.11ac-compliant chip?	
15	A In my particular segment, it might have	11:01:01
16	been 2013.	
17	Q Do you know what the first	
18	802.11ac-compliant chip was at Broadcom?	
19	A For my particular segment, the smartphone	
20	market? It was the	11:01:25
21	Q Do you know what the first end product to	
22	use the chip was?	
23	A I believe it was the Galaxy S5.	
24	Q Was the chip developed for a	
25	particular market segment?	11:02:00
		Page 86

Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 6 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	the phones that are in the market today or	11:33:52
2	BY MR. BIDDINGER:	
3	Q Yes.	
4	A can you the phones that are being	
5	sold in the market today will most likely use a	11:33:56
6	solution from Broadcom.	
7	Q And are all of Apple's iPhones sold in the	
8	market today using WCC chips?	
9	MR. DOWD: Objection. Vague.	
10	THE WITNESS: So so the are you	11:34:15
11	talking about the iPhone iPhone phones?	
12	MR. BIDDINGER: Yes.	
13	THE WITNESS: They will most likely use a	
14	WCC chip.	
15	BY MR. BIDDINGER:	11:34:25
16	Q Do you know if there's any Apple iPhones	
17	sold in the market today that don't use a WD WCC	
18	chip?	
19	A I'm not aware.	
20	Q And do all of Samsung's smartphones sold	11:34:37
21	in the U.S. market today use WCC chips?	
22	MR. DOWD: Objection.	
23	THE WITNESS: I can't answer to all the	
24	Samsung phones, but the Galaxy phones will use a	
25	WCC.	11:34:56
		Page 100

Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 7 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	BY MR. BI	IDDINGER:	11:34:57
2	Q	Okay. So that's the Galaxy S and the	
3	Galaxy No	ote?	
4	А	That's correct.	
5	Q	And is the same true for tablets	11:35:04
6	withdraw	that.	
7		Is the same true for Samsung tablets?	
8	А	In the U.S.?	
9	Q	Yes.	
10	А	Right now, there's a chance that it might	11:35:14
11	not use W	VCC chips.	
12	Q	Some of the tablets might not use	
13	А	Yeah.	
14	Q	WCC	
15	А	I would say majority of the tablets will	11:35:23
16	not be us	sing WCC at Samsung.	
17	Q	So they are using, like, WiFi only, for	
18	example?		
19	А	They could be using someone else's chip.	
20	Q	Ah. Okay. I understand.	11:35:37
21		Do you know if the U.S. is the largest	
22	market fo	or products containing Broadcom WiFi chips?	
23		MR. DOWD: Objection. Vague.	
24		THE WITNESS: Right now, there's multiple	
25	major mar	kets, you know, including China, including	11:36:07
			Page 101

Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 8 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	A That's correct.	15:04:52
2	Q Okay. So on the top line of the chart	
3	or top row of the chart, the fourth box over or	
4	chip over is a	
5	Do you see that?	15:05:04
6	A Yes.	
7	MR. DOWD: Objection.	
8	BY MR. BIDDINGER:	
9	Q Is that a chip that was ever made by	
10	Broadcom?	15:05:07
11	A	
12	Q [Nods head.]	
13	A is a chip that was being developed by	
14	Broadcom. I don't know if that was made.	
15	Q So so are you aware of whether Broadcom	15:05:23
16	has ever sold a chip?	
17	A We did not sell a to any customers	
18	in Korea or Japan.	
19	Q Could you turn to the next page, which	
20	ends in -377 , and could you tell me what is shown on	15:06:04
21	this page?	
22	A Yes. This page shows the products that	
23	WCC has and how they're tied to different platforms	
24	at our Korea customers, and then it shows you the	
25	volumes that ship for those customers and	15:06:39
		Page 205

Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 9 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	projects.	15:06:48
2	Q So, for example, the top row, the GS4	
3	platform, that's the Samsung Galaxy S4?	
4	A That's correct.	
5	Q And that product uses a chip?	15:07:11
6	A That's correct.	
7	Q And then in terms of the units that are	
8	listed there, is that the number of units of the	
9	chip that Sam that Broadcom supplied to Samsung?	
10	MR. DOWD: Objection. Foundation. Vague	15:07:39
11	as to "supplied to Samsung."	
12	THE WITNESS: So so for Galaxy S4,	
20	BY MR. BIDDINGER:	15:08:19
21	Q So what is this number of units there	
22	represented?	
23	A So I I can't recall when this	
24	presentation was actually done, but this is probably	
25	a combination of actual shipments plus a forecast.	15:08:32
		Page 206

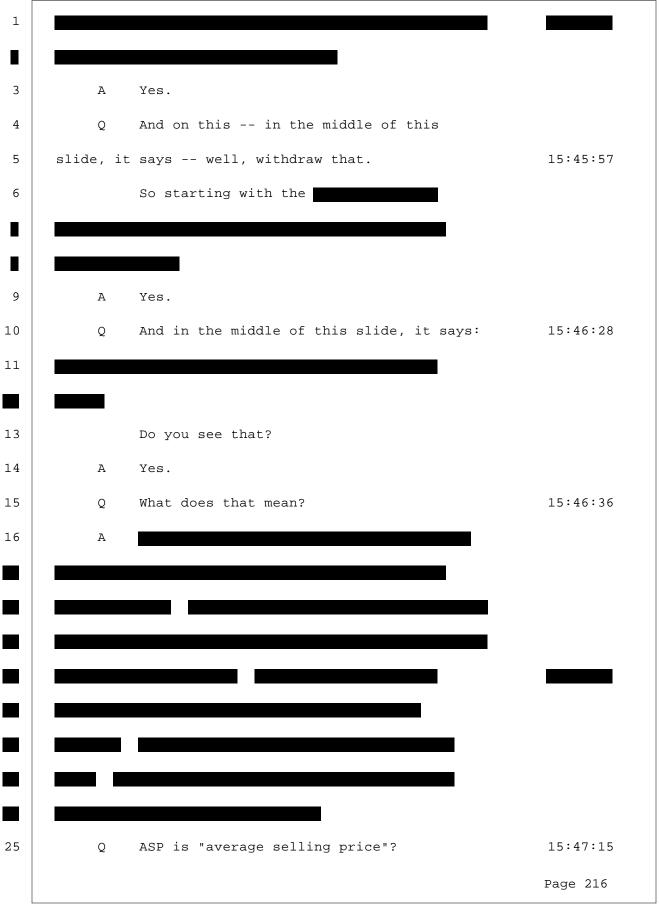
Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 10 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	are back c	on the record at 3:34 p.m.	15:34:27
2		MR. DOWD: Thank you.	
3		(Exhibit 9 was marked for identification	
4		by the court reporter.)	
5		THE WITNESS: Thank you.	15:34:44
6	BY MR. BID	DDINGER:	
7	Q	So you've been handed what's marked as	
8	Exhibit 9,	which has Production Nos. BCM-CAL_0017744	
9	through -9	92.	
10		Can you look at Exhibit 9 and let me know	15:35:02
11	when you'r	re finished.	
12		[Pause.]	
13	А	Okay.	
14	Q	Do you recognize Exhibit 9?	
15	А	Yes.	15:37:41
16	Q	What is it?	
17	А	This looks like another	
	tha	at was presented to our general manager.	
19	Q	Were you involved at all in this	
20	presentati	on?	15:37:52
21	А	Yes.	
22	Q	Were you involved in preparing Exhibit 9?	
23	А	Yes.	
24	Q	And then this was something that was	
25	presented	internally at Broadcom?	15:38:04
			Page 210

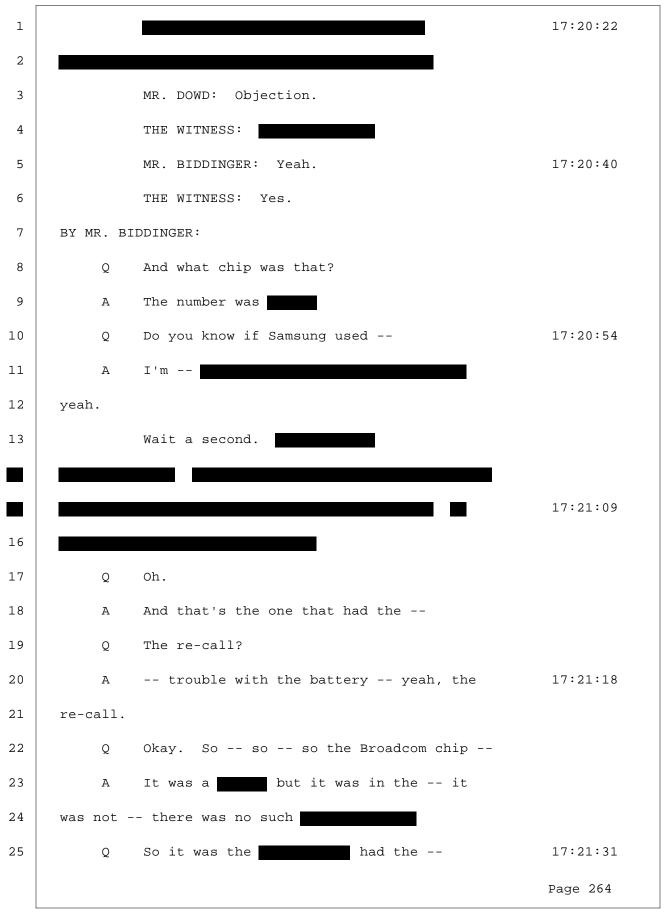
Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 11 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	is making?	15:43:54
2	MR. DOWD: Objection.	
3	THE WITNESS: Forty yes.	
4	BY MR. BIDDINGER:	
5	Q And it says on here that that's a	15:44:07
6	Bluetooth or BT/FM plus 11ax.	
7	What does that refer to?	
8	A So	
9	MR. DOWD: Objection. Compound.	
10	THE WITNESS: As a as a can you	15:44:20
11	can you ask that question for a single answer?	
12	BY MR. BIDDINGER:	
13	Q What does "BT/FM+ax" mean?	
14	A It means it has Bluetooth plus FM plus	
15	802.11ax.	15:44:36
16	Q What is 802.11ax?	
17	A 802.11ax? It's the next-generation	
18	standard following llac.	
19	Q Could you turn to the next page ends in	
20	-751.	15:45:05
21	A Okay.	
22	Q And what's depicted on this page?	
23	A This is a	
25	Q And	15:45:29
		Page 215

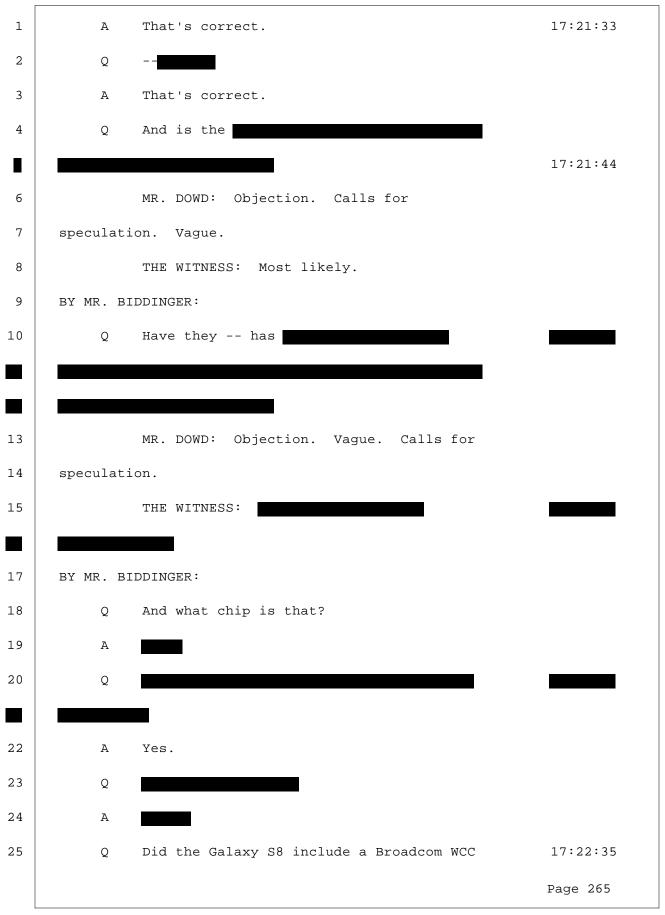
Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 12 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY



Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 13 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY



Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 14 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY



Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 15 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1	combo chi	p?	17:22:40
2	A	Yes.	
3		MR. DOWD: Objection.	
4	BY MR. BI	DDINGER:	
5	Q	And what chip?	17:22:42
6	А		
7	Q		
10		MR. DOWD: Objection. Vague. Calls for	17:23:00
11	speculati	on.	
12		THE WITNESS: Yes.	
13	BY MR. BI	DDINGER:	
14	Q		
15	А	A version of the	17:23:06
16	Q	Is the design of that chip final yet?	
17	А	Yes.	
18	Q	So does it have a number that's different	
19	than		
20	A	It's a different revision.	17:23:24
21			
22	Q	But it's still	
23	A	Yeah, same architecture, same same	
24	features,	same	
25		(Exhibit 14 was marked for	17:24:11
			Page 266

Case 5:22-mc-80318-VKD Document 17-9 Filed 12/19/22 Page 16 of 16 HIGHLY CONFIDENTIAL - ATTORNEYS EYES ONLY

1 I, the undersigned, a Certified Shorthand 2 Reporter of the State of California, do hereby 3 certify: 4 That the foregoing proceedings were taken before me at the time and place herein set forth; 5 6 that any witnesses in the foregoing proceedings, prior to testifying, were administered an oath; that 7 a record of the proceedings was made by me using machine shorthand which was thereafter transcribed 8 under my direction; that the foregoing is a true 9 record of the testimony given. 10 11 Further, that if the foregoing pertains to the original transcript of a deposition in a Federal 12 Case, before completion of the proceedings, review 13 of the transcript [] was [] was not requested. I further certify that I am neither 14 15 financially interested in the action nor a relative or employee of any attorney or any party to this 16 17 action. IN WITNESS WHEREOF, I have this date 18 19 subscribed my name. Dated: 20 7/28/17 21 22 atherine A. Kyan 23 2.4 Catherine A. Ryan, RMR, CRR CSR No. 8239 2.5 Page 362